

FFGS CAP Integration

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September 30, 2020

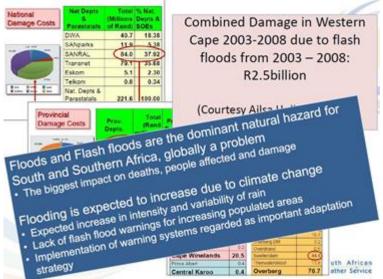
Flash Floods and Impacts

United Nations International Strategy for Disaster Reduction (UNISDR):

- Floods and flash-floods are natural hazards with highest frequency of occurrence (43.4% of total)
- Floods and flash floods affect most people (~2 bill \$US over last 20 years; 48% of total affected by all hazards)

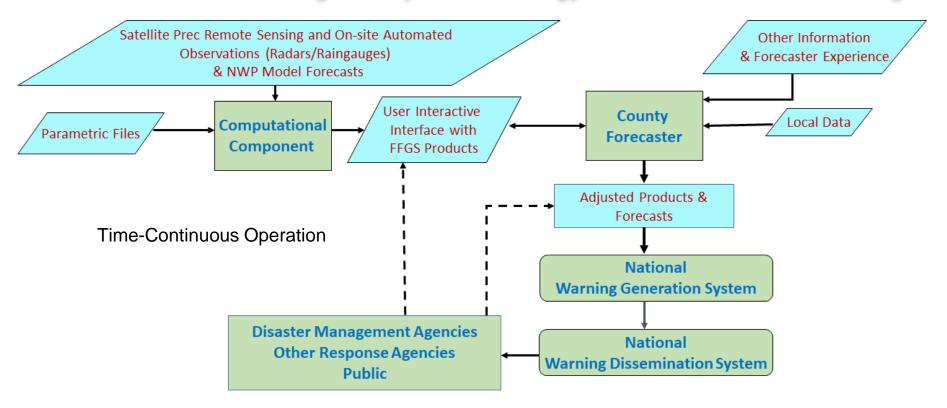
Earlier Studies:

- Very high mortality rate among natural hazards

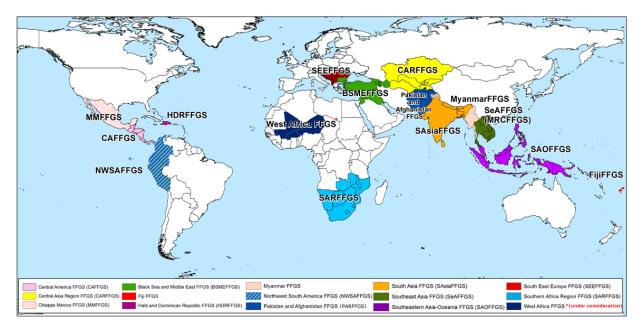


Flash Flood Guidance System

From Global Data and Regional Hydrometeorology to National Data and Warnings



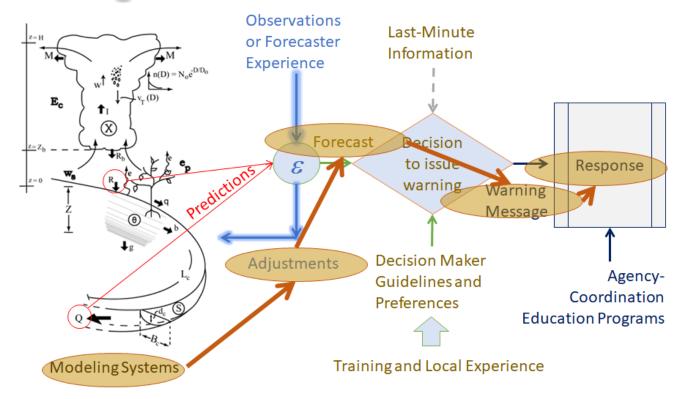
FFGS Application Worldwide



More than 60 Countries with 11 Regional Centers

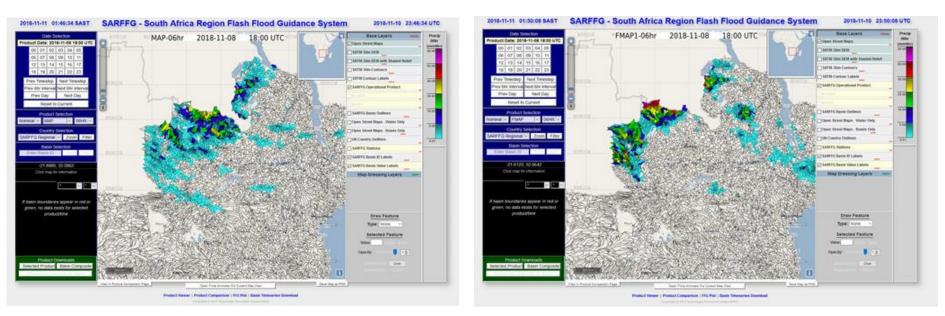
The Global Initiative for Flash Floods (2008-Present) USAID/BHA - WMO - NOAA - HRC

Integrated Systems Perspective for Real-Time Warning



Forecaster Interactive Interface (Multiple Products)

Examples from Southern Africa Region FFGS (SARFFGS)

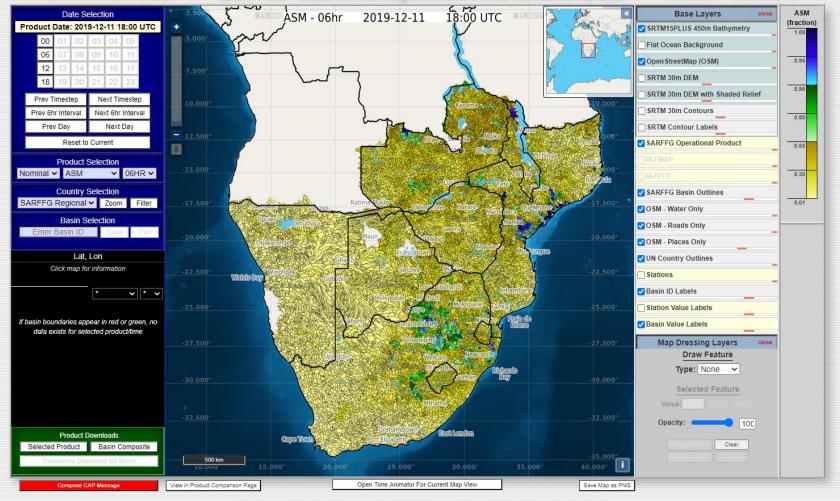


Mean Areal Precipitation (left) and Forecast Mean Areal Precipitation (right) over small delineated basins

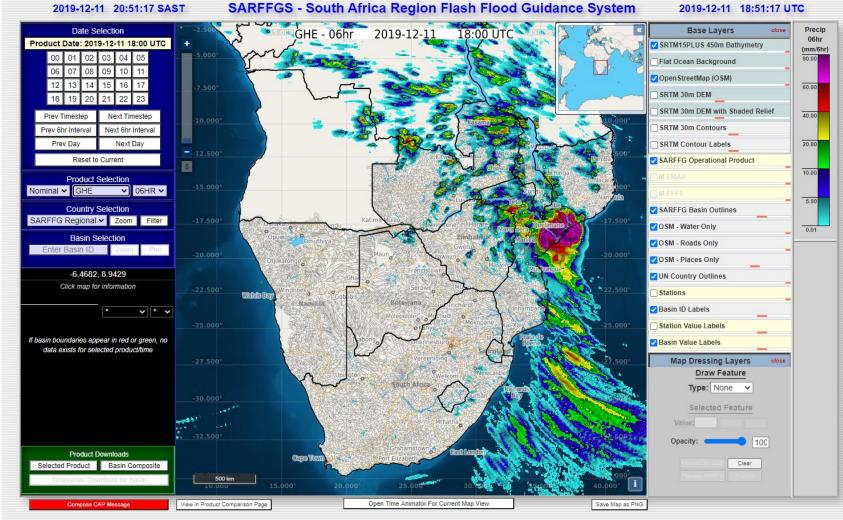
2019-12-11 20:49:12 SAST

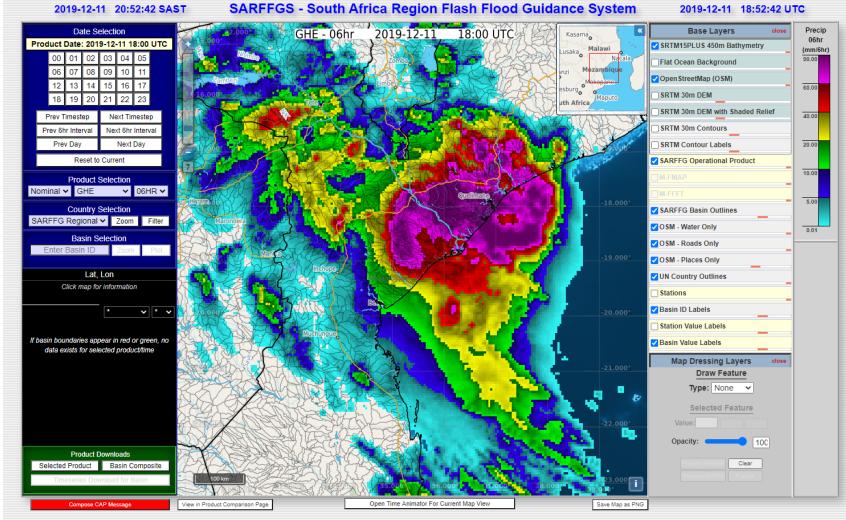
SARFFGS - South Africa Region Flash Flood Guidance System

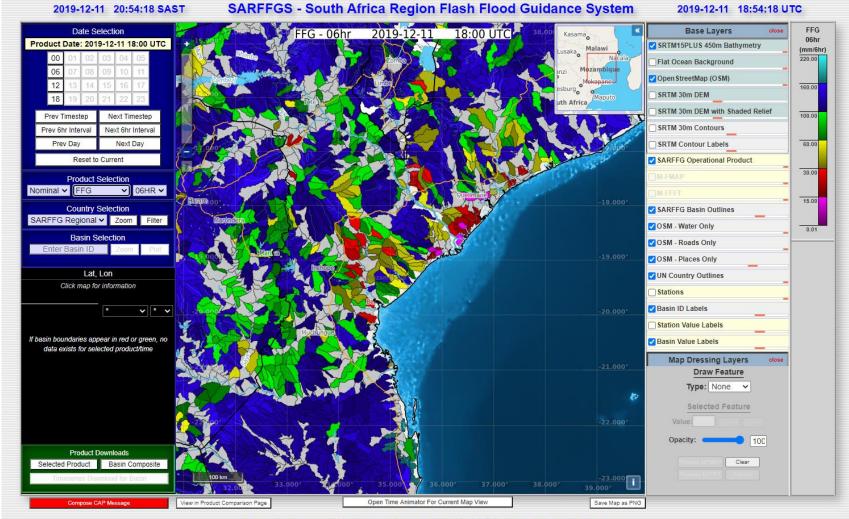
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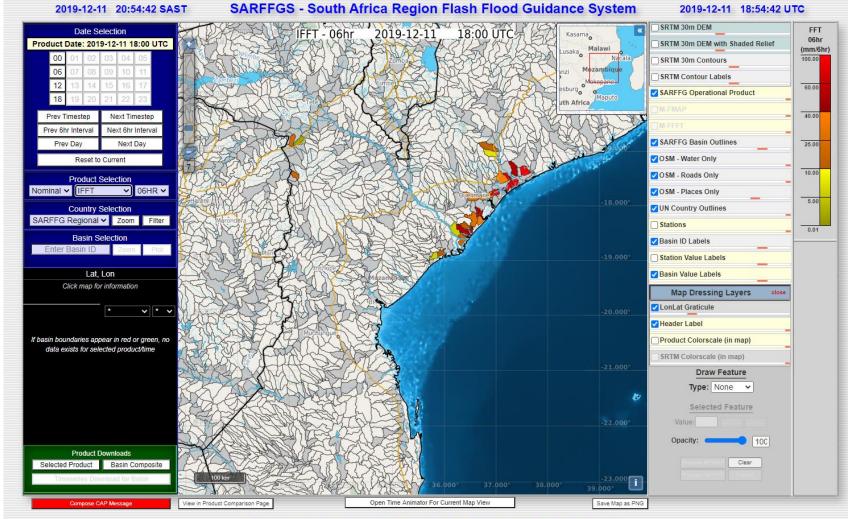


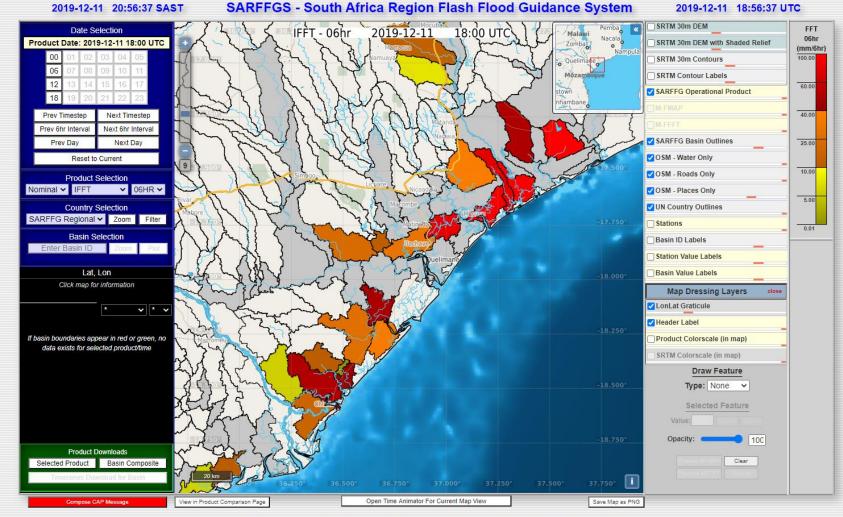
Product Viewer | Product Comparison | FFG Plot | Basin Timeseries Downloads | Product Console | Dashboard

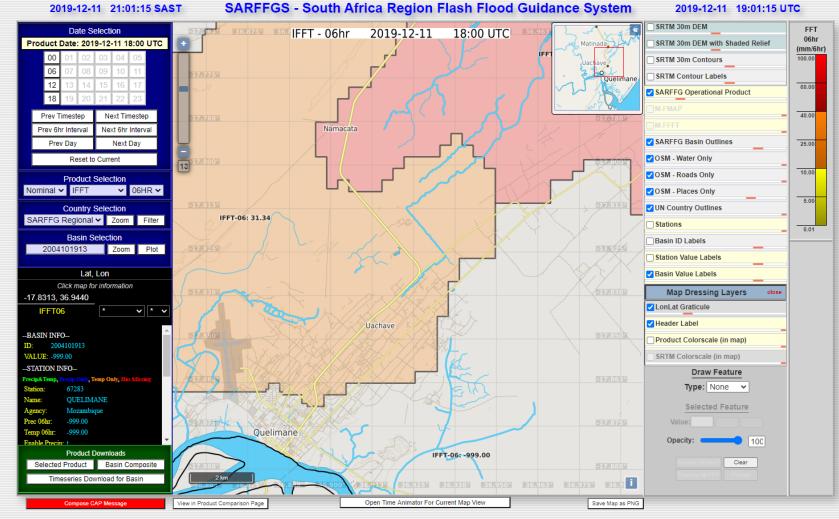


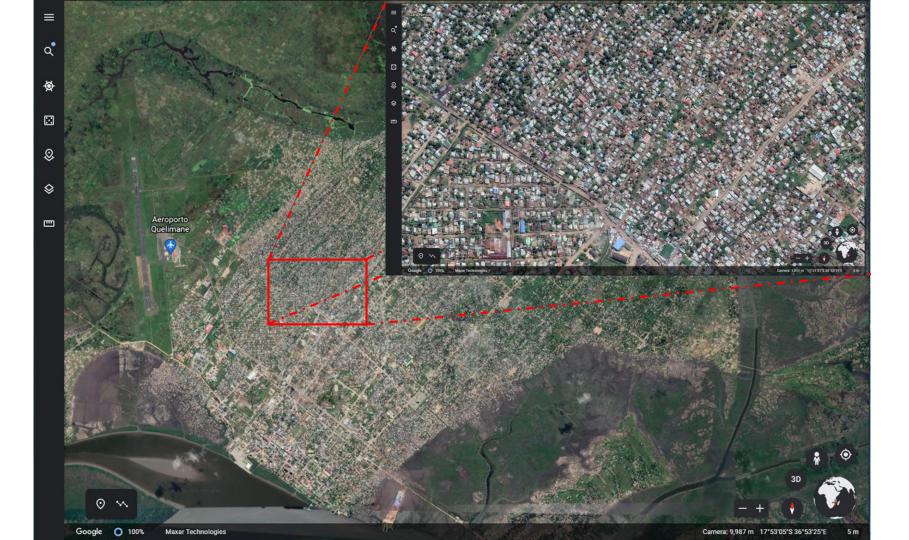


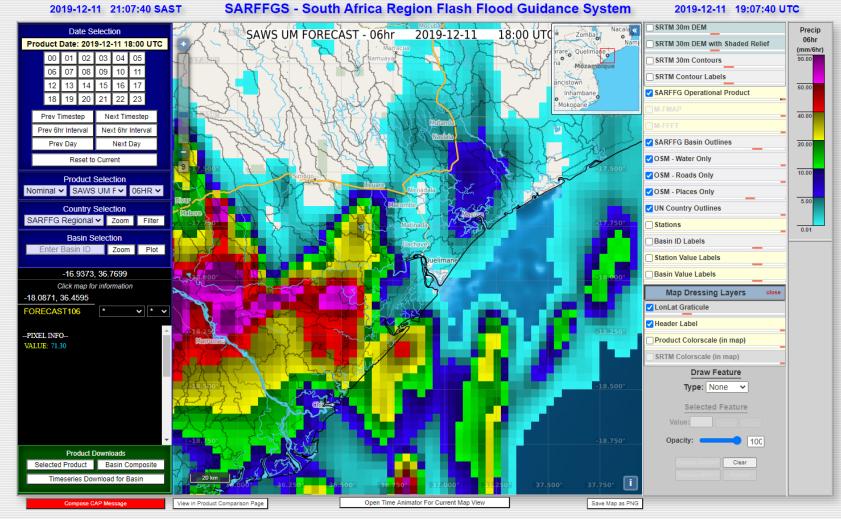


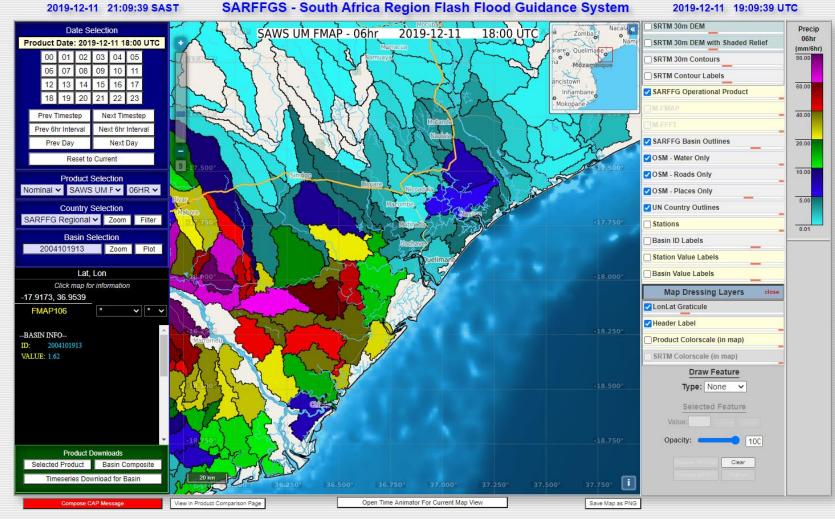


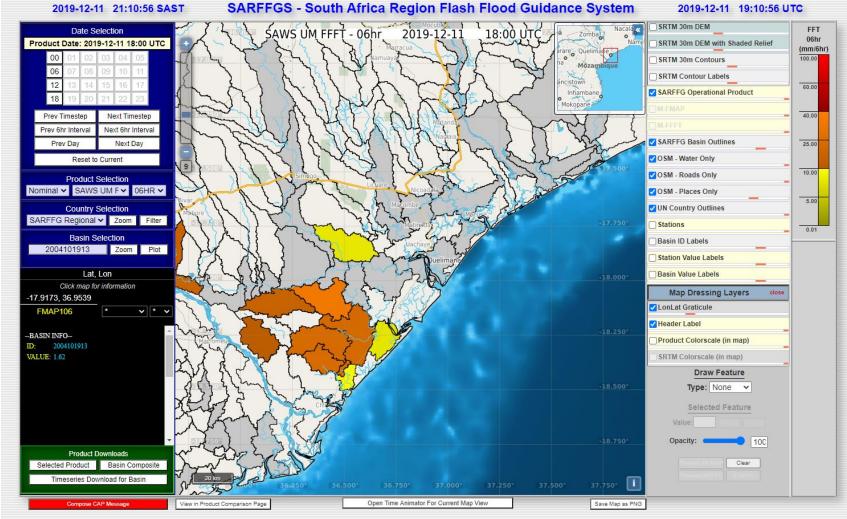




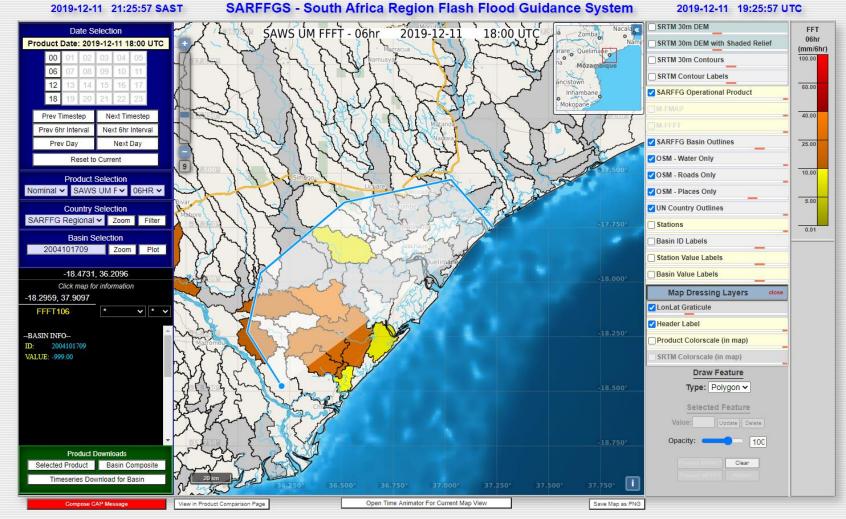


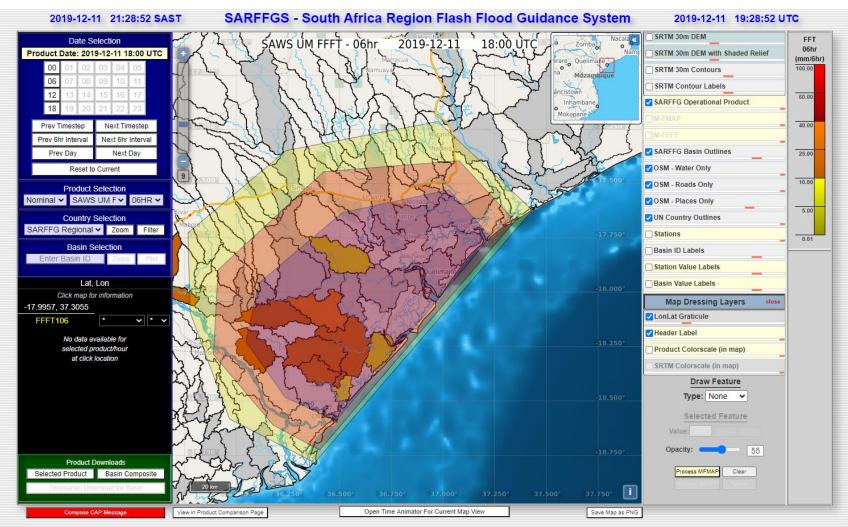


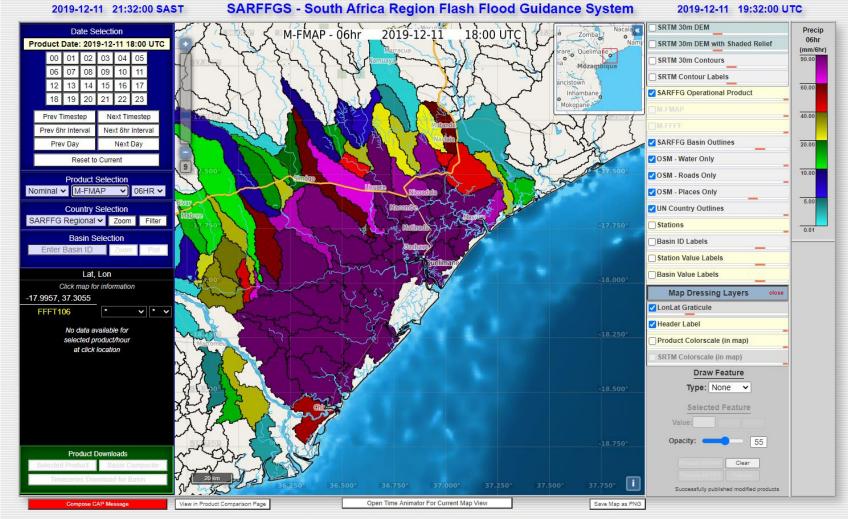


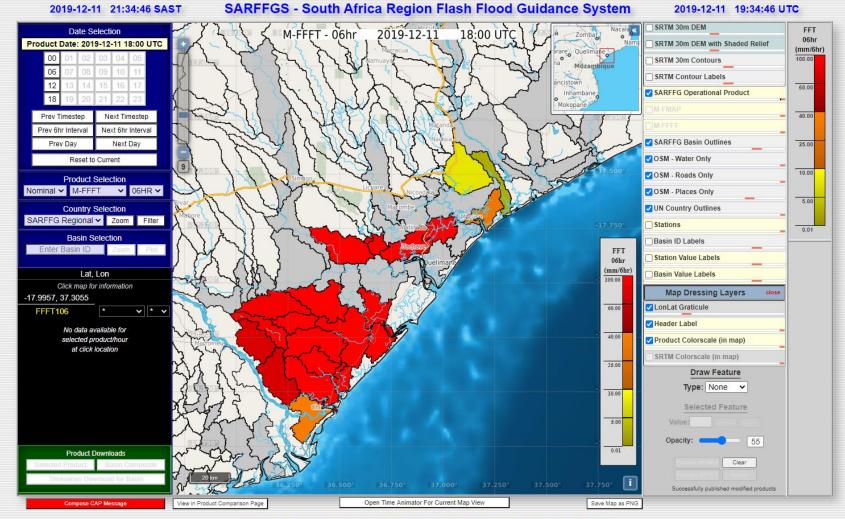


Product Viewer | Product Comparison | FFG Plot | Basin Timeseries Downloads | Product Console | Dashboard





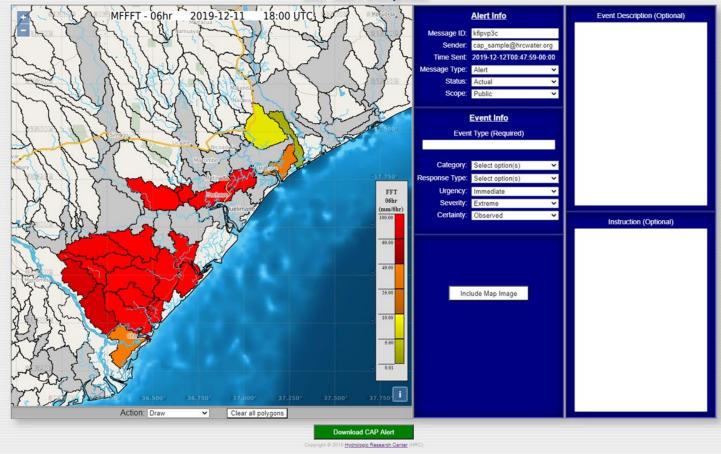




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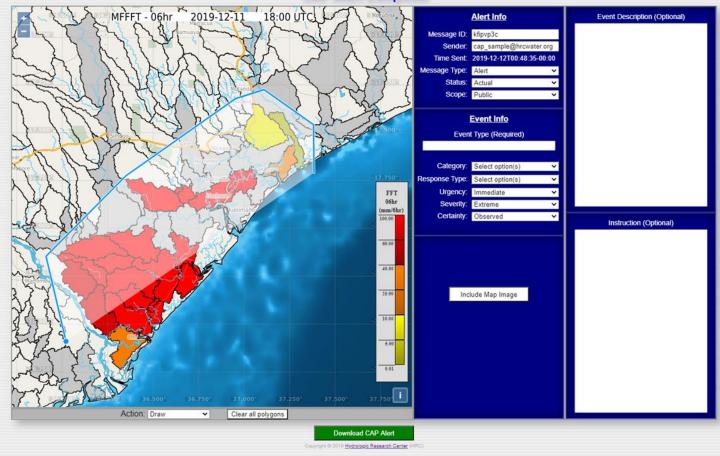
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SARFFGS - South Africa Region Flash Flood Guidance System

2019-12-11 21:38:35 SAST

2019-12-11 19:38:35 UTC

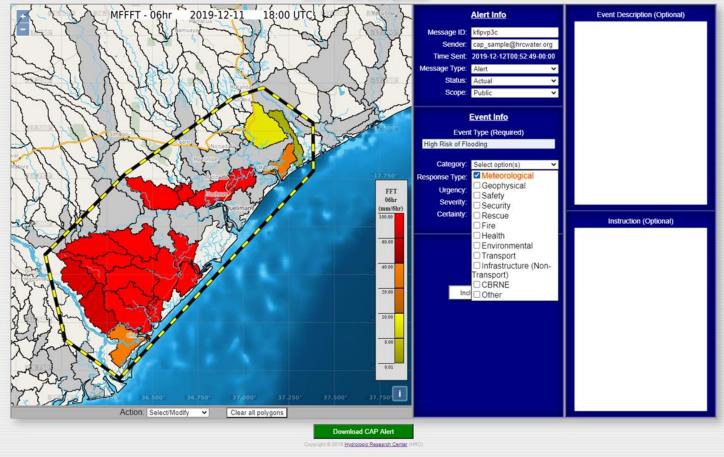


2019-12-11 21:42:50 SAST

Help

SARFFGS - South Africa Region Flash Flood Guidance System

2019-12-11 19:42:50 UTC

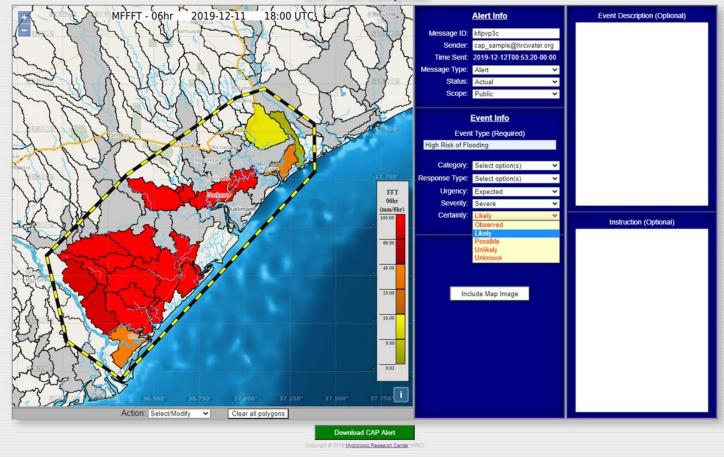


SARFFGS - South Africa Region Flash Flood Guidance System

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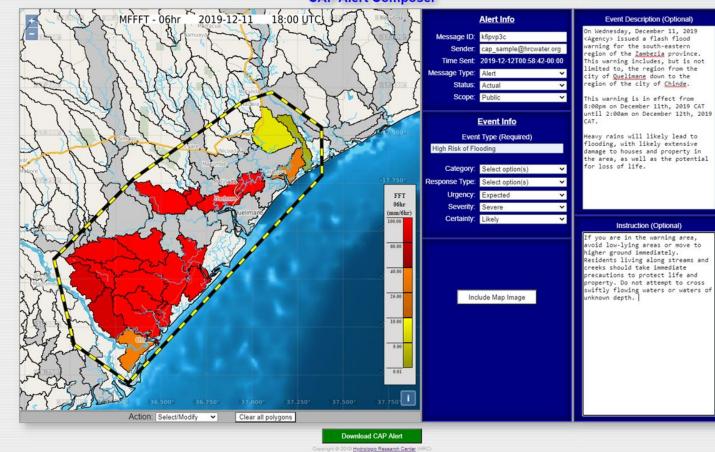
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2019-12-11 21:48:42 SAST

SARFFGS - South Africa Region Flash Flood Guidance System

2019-12-11 19:48:42 UTC

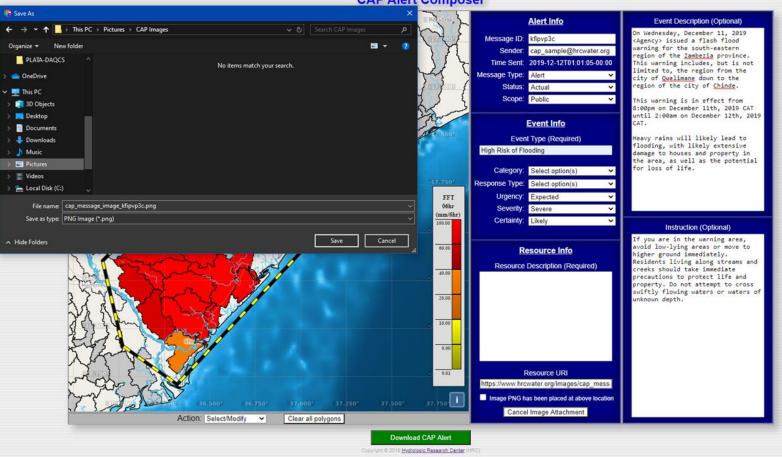


2019-12-11 21:51:06 SAST

Help

SARFFGS - South Africa Region Flash Flood Guidance System

2019-12-11 19:51:06 UTC

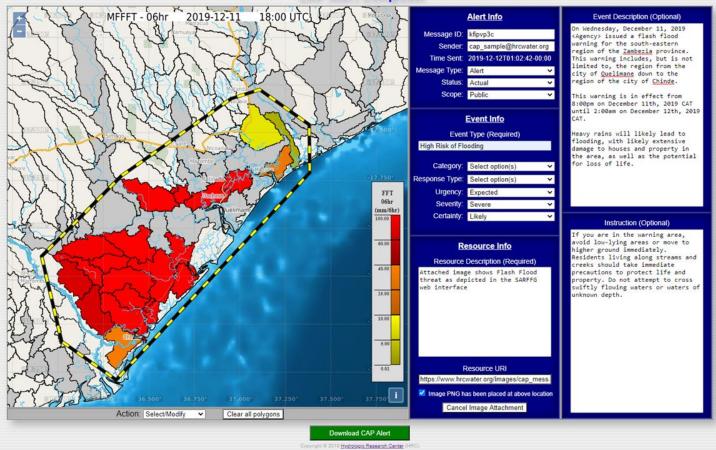


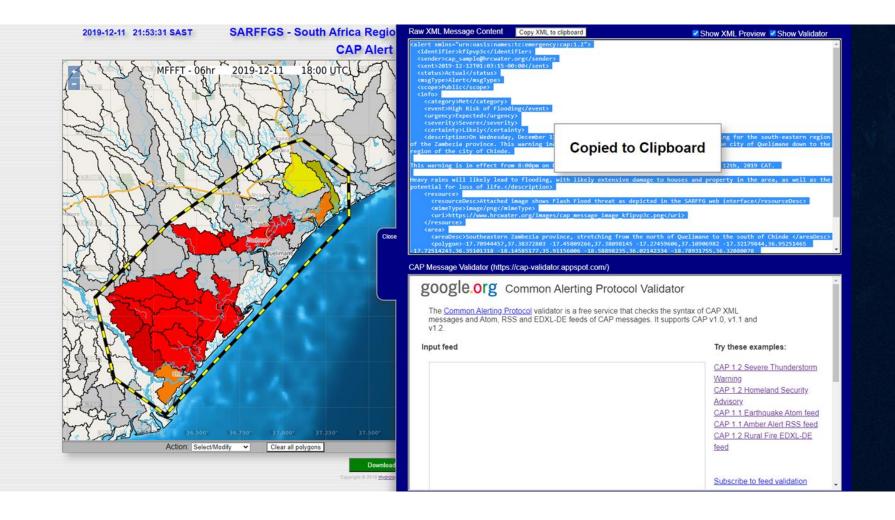
2019-12-11 21:52:42 SAST

Heln

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2019-12-11 19:52:42 UTC





2019-12-11 21:54:41 SAST

Help

CAP Alert

google.org Common Alerting Protocol Validator

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Powered by Google App Engine

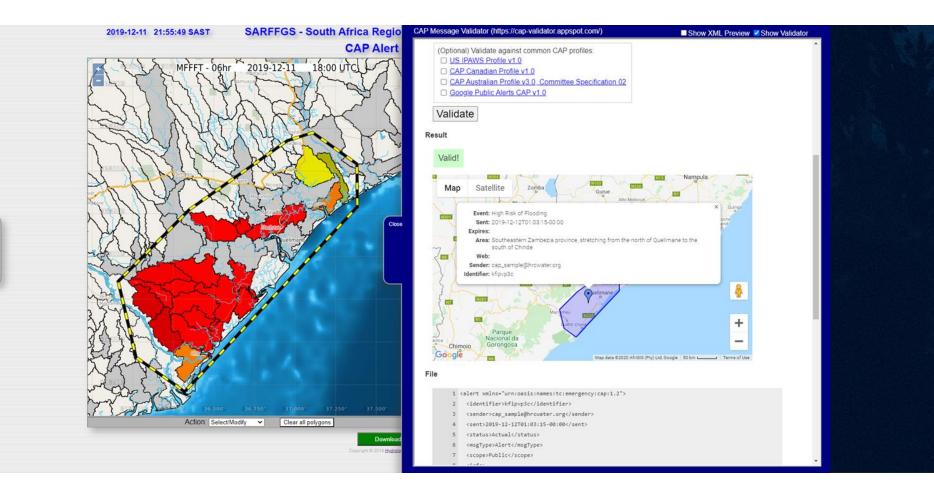
The <u>Common Alerting Protocol</u> validator is a free service that checks the syntax of CAP XML messages and Atom, RSS and EDXL-DE feeds of CAP messages. It supports CAP v1.0, v1.1 and v1.2.

Input feed

Try these examples:

ipar lood	ny those examples.
<pre><status>Actual</status> <msglvpe>Alert</msglvpe> <scope>public</scope> <info> <category>Met</category> <cetegory>Met <cetegory>Expected <ceteinty>Likely <certainty>Likely</certainty> <certainty>Likely</certainty> <description>On Wednesday, December 11, 2019 &ltiAgency> issued a flash flood warning includes, but is not limited to, the region from the city of Quelimane down to the region of the city of <u>Chinde</u>.</description></ceteinty></cetegory></cetegory></info></pre>	CAP 1.2 Severe Thunderstorm Warning CAP 1.2 Homeland Security Advisory CAP 1.1 Earthquake Atom feed CAP 1.1 Amber Alert RSS feed CAP 1.2 Rural Fire EDXL-DE feed
This warning is in effect from 8:00pm on December 11th, 2019 CAT until 2:00am on December 12th, 2019 CAT.	Subscribe to feed validation result
<pre>Heavy rains will likely lead to flooding, with likely extensive damage to houses and property in the area, as well as the potential for loss of life. image/png <td>•</td></pre>	•
(Optional) Validate against common CAP profiles:	
<u>CAP Canadian Profile v1.0</u> <u>CAP Australian Profile v3.0</u> , Committee Specification 02	

2019-12-11 25 MFFFT - 06hr 18:00 UTC Action: Select/Modify ~ Clear all polygons Download Copyright @ 2019 Hydrol



Adding Area Descriptions to Polygons

To edit an area description to a polygon, select the "Select/Modify" option from the "Action" dropdown menu, found below the map:

Action:	Select/Modify	¥
	Draw	
	Select/Modify	
	Pan	

Then, simply click on the polygon you wish to edit the area description for. The selected polygon will turn while and a text box labeled "Area Description" will appear, containing the default placeholder text. Any changes made to the text in this box will be automatically saved as the Area Description for that polygon.



Modifying Polygons

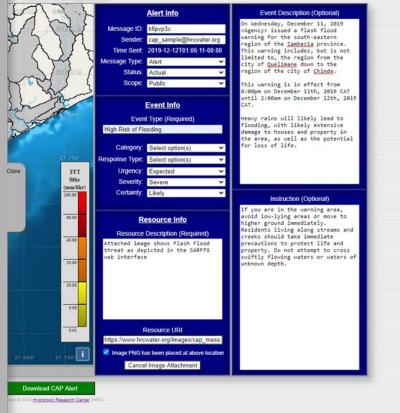
To modify a polygon, select the "Select/Modify" option from the "Action" dropdown menu, found below the map: Action: Select/Modify

a Region Flash Flood Guidance System

2019-12-11 19:56:11 UTC

View And Validate Raw XML





2019-12-11 21:56:38 SAST

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2019-12-11 19:56:38 UTC

